United States Environmental Protection Agency Region 7 901 N. 5th Street Kansas City, KS 66101

Date: JAN 2 9 2008

Subject: Transmittal of Sample Analysis Results for ASR #: 3716

Project ID: MD07RZ02

Project Description: Newton County Mine Tailings site (OU #02)

From: Daksha Dalal, Acting Director Dalch Dalal 131108

Regional Laboratory, Environmental Services Division

To: Mark Doolan SUPR/FFSE

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the enclosed Customer Satisfaction Survey and Data Disposition/Sample Release memo for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Data Disposition/Sample Release memo.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

Enclosures

cc: Analytical Data File.

40358574 Superfund

Page 1 of 10

Summary of Project Information

01/30/2008

Project Manager: Mark Doolan

Org: SUPR/FFSE

Phone: 913-551-7169

Project ID: MD07RZ02

Project Desc: Newton County Mine Tailings site (OU #02)

Location: Newton County State: Missouri

Program: Superfund

Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF

Site ID: 07RZ Site OU: 02

NEWTON COUNTY GPRA PRC: 302DC6C

Purpose: Site Characterization

Explanation of Codes, Units and Qualifiers used on this report

Sample QC Codes: QC Codes identify the type of sample for quality control purpose.

Units: Specific units in which results are

reported.

__ = Field Sample

ug/L = Micrograms per Liter

Data Qualifiers: Specific codes used in conjunction with data values to provide additional information on the quality of reported results, or used to explain the absence of a specific value.

(Blank)= Values have been reviewed and found acceptable for use.

U = The analyte was not detected at or above the reporting limit.

Sample Information Summary

Project ID: MD07RZ02

Project Desc: Newton County Mine Tailings site (OU #02)

Sample No			Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1 -	_	Water	6565 Hereford Road (BVID #9702)		12/01/2007	13:30			12/03/2007
2 -	_	Water	6402 Gateway Drive (BVID #9703)		12/01/2007	15:00			12/03/2007
3 -		Water	6416 Gateway Drive (BVID #9704)		12/01/2007	15:45			12/03/2007
4 -		Water	6417 Gateway Drive (BVID #9705)		12/01/2007	16:30			12/03/2007
. 5 -	_	Water	9465 Goldfinch Road (BVID #9706)	,	12/01/2007	17:10			12/03/2007
6 -		Water	2864 Douglas Fir Road	BVID # 9707	12/19/2007	12:30			12/20/2007
		Water	9874 Delmar	BVID# 9708	12/19/2007				12/20/2007
8 -			6539 Gateway Drive	BVID # 9709		15:15			12/20/2007
9 -			6530 Gateway Drive	BVID # 9710	12/19/2007				12/20/2007
10 -			6565 Gateway Drive	BVID # 9711	12/19/2007	17:00 ·			12/20/2007
11 -		Water	9873 Delmar (BVID #9712)		01/08/2008	11:30			01/10/2008
12 -		Water	5200 Dolphin Drive (BVID #9713)		01/08/2008	12:40			01/10/2008
13 -		Water	7319 Spurgeon (BVID #9714)		01/08/2008	13:30			01/10/2008
14 -		Water	6225 Spurgeon Road (BVID #9715)		01/08/2008	13:45			01/10/2008
15 -		Water	9995 Foliage Road (BVID #9716)		01/08/2008	15:40			01/10/2008
16 -		Water	6140 Gateway Drive (BVID #9717)		' 01/08/2008	16:15			01/10/2008
17 -		Water	5845 Gateway (BVID #9718)	•	01/08/2008	17:00		•	01/10/2008
18 -	_	Water	5903 Gateway (BVID #9719)		01/09/2008	13:40			01/10/2008
19 -	_	Water	6041 Gateway (BVID #9720)	•	01/09/2008	14:45			01/10/2008
20 -	_	Water	5910 Gateway Drive (BVID #9721)		01/09/2008	15:20			01/10/2008
21 -		Water	6579 Gateway Drive (BVID #9722)		01/09/2008	15:50			01/10/2008
22 -		Water	6265 Gateway Drive (BVID #9723)		01/09/2008				01/10/2008
23 -	_		6392 Gateway Drive (BVID #9724)	•	01/09/2008	17:20			01/10/2008
24 -	- .	Water	6273 Gateway Drive (BVID #9725)		01/09/2008	17:50			01/10/2008

RLAB Approved Analysis Comments

01/30/2008

Project ID:MD07RZ02

Project Desc Newton County Mine Tailings site (OU #02)

Comments About Results For This Analysis Analysis

1 Metals in Water by ICP/MS

Lab: Region 7 EPA Laboratory - Kansas City, Ks.

Method: EPA Region 7 RLAB Method 3123.1A

Samples: 1-__

2-___ 93-___ 10-___

5-___ 11-__ 12-__ 13-__

6-___

14-___

8-15-___ 22-___

16-___ 23-___

17-___ 24-___

18-___

19-___

20-___

21-___

Comments:

(N/A)

RLAB Approved Sample Analysis Results

01/30/2008

Analysis/ Analyte

1 Metals in Water by ICP/MS Cadmium Lead Units 1-__ 2-__ 3-__ 4-_

ug/L ug/L



RLAB Approved Sample Analysis Results

01/30/2008

Project ID: MD07RZ02

Project Desc: Newton County Mine Tailings site (OU #02)

Analysis/ Analyte

1 Metals in Water by ICP/MS Cadmium Lead

Units	5	6	7	8
ug/L				
ug/L				

RLAB Approved Sample Analysis Results

01/30/2008

Project ID: MD07RZ02

Project Desc: Newton County Mine Tailings site (OU #02)

Analysis/ Analyte

1 Metals in Water by ICP/MS Cadmium Lead

				•
Units	9	10	11	12

ug/L ug/L

1.0 U 1.0 U

RLAB Approved Sample Analysis Results

01/30/2008

Project ID: MD07RZ02

Project Desc: Newton County Mine Tailings site (OU #02)

Analysis/ Analyte

1 Metals in Water by ICP/MS Cadmium Lead Units 13-__ 14-__ 15-__ 16-__

ug/L ug/L

RLAB Approved Sample Analysis Results

01/30/2008

Project ID: MD07RZ02

Project Desc: Newton County Mine Tailings site (OU #02)

Analysis/ Analyte

1 Metals in Water by ICP/MS Cadmium Lead Units 17-__ 18-__ 19-__ 20-__

ug/L ug/L

1

=

RLAB Approved Sample Analysis Results

01/30/2008

Project ID: MD07RZ02

Project Desc: Newton County Mine Tailings site (OU #02)

Analysis/ Analyte

1 Metals in Water by ICP/MS Cadmium Lead Units 21-__ 22-__ 23-__ 24-__

ug/L ug/L

United States Environmental Protection Agency Region VII 901 N. 5th Street Kansas City, KS 66101

Date: _	
Subject:	Data Disposition/Sample Release for ASR #: 3716
	Project ID: MD07RZ02
	Project Description: Newton County Mine Tailings site (OU #02)
From:	Mark Doolan SUPR/FFSE
To:	Kaye Dollmann ENSV/RLAB
Anal	ve received and reviewed the Transmittal of Sample Analysis Results for the above-referenced ytical Services Request(ASR) and have indicated my findings below by checking one of the services for Data Disposition.
	derstand all samples will be disposed upon receipt of this form, unless samples are requested be held. If I do not return this form all samples will be disposed of on
"Cu	LEASED" - Read-only to all Region 7 employees and contractors that have R7LIMS stomer" account. All Samples may be disposed of upon receipt of this form if not requested to neld.
	oject Manager Accessible" - Available on the LAN in R7LIMS for my use only. All Samples may disposed of upon receipt of this form if not requested to be held.
thro	chived" - THIS DATA IS OF A SENSITIVE NATURE. Any future reports must be requested bugh the laboratory. All samples may be disposed of upon receipt of the form if not requested be held.
whi	d Samples - I have determined that the samples need to be held until, after ch time they will be disposed of in accordance with applicable regulations. reason for the hold is:
	Samples are associated with a legal proceeding.
	Question/Concern with data - possible reanalysis requested.
	Other

CHAIN OF CUSTODY RECORD ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER (P				OR ACTIVITY						DATE OF COLLECTION SHEET DEC. 2007 1 01				
CONTENTS OF SHIP				VEWTON	1 Co.1	MINE TA	141	146	<u>></u>			DAY MONTH YEAR		
SAMPLE	Liter	TY	PE OF CO	ONTAINERS		,	S	АМР				RECEIVING LABORATORY		
NUMBER	CUBITAINER	BOTTLE	BOTT	LE BO	TLE	VOA SET (2 VIALS EA)	water	soil	sediment	uSt	olher	REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)		
3716-1	NOME	SENS OF COI	TAINENS	PEH SAMPLE	NOMBER		X	° l	S	•		BV10# 9702		
37-16-2	1	·· ··· ·			-		X					BVID # 9703		
3716-3	Ì					 	X			一		BV 10 # 9704		
3716-4	Ì						X					BYID # 9705		
3716-5	١				•		X					BVID # 9706		
					$\overline{}$									
		7	Ac									·		
		1	KX	RI	_									
	100								Original fieldsbeet Not submitted Wisayl (so required). ASCC wiel process with Copies provided 12/3/07					
							\prod					not submitted wisand		
					W.	27	\sqcap					(sagained).		
						RGI						RICE wiel process		
						- X	7					with comias orovided		
									\neg			12/3/07		
									V					
										7	$\overline{\ \ }$	Clr. Jens. Recid. bus		
												Q-1°2~		
DESCRIPTION OF SH	HIPMENT				М	ODE OF SHI	PME	NT			-			
5 PIECE(S) C	ONSISTING O	_ 5		TAIN ER	- 2	COMME	RCIA	AL C	ARR	IER	:			
1 1	(S): OTHER _				-	COURIE		0 tu 1	CVC	_				
						X SAMPLI	ER C	UNV	EYE	U,	_	(SHIPPING DOCUMENT NUMBER)		
PERSONNEL CUSTODY RECORD RELINQUISHED BY (SAMPLER) DATE TI					RECE	IVED BY		_				REASON FOR CHANGE OF CUSTODY		
12/2/ 1				11:00	1 8	DWy	1 60-	٠,	•			Rec'd at las Angline		
SEALED UNSEALED					ALED		UNS	SEA	LE	<u> </u>	3			
RELINQUISHED BY DATE			TIME	HECE	IVED BY					()	REASON FOR CHANGE OF CUSTODY			
SEALED UNSEALED					LED		UN	SEA	<u>L</u> E					
			TIME					REASON FOR CHANGE OF CUSTODY						
SEALED UNSEALED					HSEA	LED		UN	ISE <i>F</i>	ALE	٦٥			

CHAIN OF CUSTODY RECORD ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(F	rint)		NAME	OF SURV	YEY OR ACTIVITY	Υ				DATE OF COLLECTION SHEET		
MARK DOOLA					O. MINET		INI	c-S		DAY MONTH YEAR Of		
CONTENTS OF SHIP							ىدىن	M				
SAMPLE		TY	PE OF CONTAIN	ERS		SA			MEDIA	RECEIVING LABORATORY		
NUMBER	CUBITAINER	BOTTLE	BOTTLE	BOTTLE	VOA SET (2 VIALS EA)	ja l	_	Sediment	othe	(condition of samples upon receipt,		
	NUME	BERS OF CON	TAINERS PER S	AMPLE NUM	MBER	water	Sol	3	dust	other sample numbers, etc.)		
3716-6	1 4					X	\perp			BV10# 8201		
3716-7	\ 0					x				BV12* 9708		
3716-8	10	<u> </u>				X	\downarrow	ightharpoons		BVID # 9709		
3716-9	19					X	\perp	\perp		BVID # 9710		
3716-10	1.					K				BVID # 9711		
						\coprod	_					
							\perp			Cooler Temp		
										2,1°C		
							$\overline{1}$					
			\times						\mathcal{N}			
					n.		\perp			\		
						Ш	\perp					
						B	2/					
							\leq	2	<u> </u>			
						\bot				X		
							\perp					
								\bot				
		·										
							floor					
							\perp	\perp				
DESCRIPTION OF SI	HIPMENT				MODE OF SHI	IPMEI	NT					
	ONSISTING OI	_F 5	CUBITAI	NERS	СОММЕ	RCIAL	L CA	\RRI	ER:			
i i	(S): OTHER _				COURIE				_			
		_X_SAMPLI	ER CO	NVE	YEC)	(SHIPPING DOCUMENT NUMBER)					
PERSONNEL CUSTO												
RELINQUISHED BY	(SAMPLER)	13/21 DAT		RE	GEIVED BY	٦ ۵	n	Δ.		REASON FOR CHANGE OF CUSTODY		
Clark May		Seyel 1	ص در	UNIC	<i>C</i>	LED A	Kaw to the					
RELINQUISHED BY DATE TIME					ECEIVED BY)NS	EAL	FED	REASON FOR CHANGE OF CUSTODY		
SEALED	UNSEAL	ED	E TIME		SEALED ECEIVED BY	L	JNS	šΕΑ	LED	REASON FOR CHANGE OF CUSTODY		
RELINQUISHED BY		l DA'		. ~	ECEIVED BY					REASON FON CHARGE ST. SSETTER		
SEALED	<u> </u> -	SEALED	ı	UN:	SEA	LED	4					

CHAIN OF CUSTODY RECORD ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(F	OF SURVEY					·	DATE OF COLLECTION SHEET			
MARKDOOL			NEW	MON Co-	MINETA	11-11	10	2		DAY MONTH YEAR \ of \
CONTENTS OF SHIP	MENT			· · · · · · · · · · · · · · · · · · ·						
SAMPLE	<u> </u>		OF CONTAIN		VOA SET	S	AMP	LED N	AEDIA othe	
NUMBER	CUBITAINER	BOTTLE BERS OF CONTA	BOTTLE INERS PER S	BOTTLE AMPLE NUMBER	(2 VIALS EA)	water	lios	sediment	dust	(condition of samples upon receipt other sample numbers, etc.)
3716-11	1					ĺχ				BVID # 97/2
3716-12	1					χ				/ 9713
3716-13	l					χ				9714
3716-14	1					X				9715
3716-15	1		····			9716				
3716-16	١					9717				
3716-17	1					9718				
3718-18	1					X	Ш		\perp	9719
3718-19						X				9720
3716-20			X			_	9721			
3716-21	1					X				9722
3716-22	1					X		_		9723
3716-23	1					X			_ _	BV1D# 9724
3716-24									\perp	BVID# 9725
						Ш				
		A								
						Ц			\perp	
		7				Ц		$ \bot $		
			> 0				· .			
			_ 0%	80/					<u> </u>	
			1	1		Ш			1.	
						Ш			<u> </u>	
								_	_	Cls. Demptecis
				<u> </u>					<u> </u>	betro-10cm
DESCRIPTION OF SI	HIPMENT			M	ODE OF SH	IPME	NT	$\overline{\ \ }$		
1'3 PIECE(S) C	ONSISTING O	13	BOX(ES)	NEICO	COMME	RCIA	AL C	ARRI	EÀ:	
ICE CHEST	(S): OTHER _			′	COURIE		O KILL	בעבר	1	(SUIDDING DOGUMENT NUMBER)
DEDCOMMEL CHOTO	DOV DECODE				SAIVIPL	EN U	UIV	CTCL		(SHIPPING DOCUMENT NUMBER)
	PERSONNEL CUSTODY RECORD RELINQUISHED BY (SAMPLER) DATE TIME RECEIVED BY REASON FOR CHANGE OF CUSTODY									
Clay Woll	UNSEALE	= DX V10/	08 110		ALED 4	gge	UN!	SEA1	LED)	Reid at late Maleyais
RELINQUISHED BY		DATE	TIME	RECE	IVED BY				/	REASON FOR CHANGE OF CUSTOD
☐sealed	UNSEAL	ED		SEA	ALED		UN	SEA	LED [
RELINQUISHED BY		DATE	TIME		IVED BY				-	REASON FOR CHANGE OF CUSTODY
SEALED UNSEALED SEALED UNSEALED								-		

ASR Number:	3716	Sample Nu	mber: 1		QC Co	ie:	Matr	ix: Water Tag	ID: 3716-1
Project ID: Project Desc:			e Tailing	s site		-	ager:	Mark Doolan	
•	Newtor	County	ic railing	3 3/10	(00 #0	•	State:	Missouri	
Site Name:	NEWTO		MINE TAI	LINGS	- REM	AINDER C	F	Site ID: 07R	Z Site OU: 02
Location Desc:	65	65 HERE	FOR F	20A2	.				
			Ex	terna	Samp	le Numb	er: _	BNIDHO	202.
Expected Conc	:	(or Circle	e One: I	Low M	ledium	High)		Date	Time(24 hr)
Latitude:			:	Samp	le Coll	ection: S	tart:	12/1/07	13:30
Longitude:							End:	_/_/_	_:_
Laboratory An Container 1 - 1 Liter Cubitainer	Pi	reservative NO3 to pH<2	н	_	Time Days	Analysi 1 Metals		r by ICP/MS	
Sample Commo	ents:								
(N/A)									

ASR Number: 37	16 Sample N	umber: 2	QC Cod	le: Matr	ix: Water Tag	g ID: 3716-2
Project ID: M Project Desc: N City: N Program: S	ewton County M ewton County	ine Tailings sit	-	•	Mark Doolan	
Site Name: N	EWTON COUNTY EWTON COUNTY		GS - REMA	AINDER OF	Site ID: 07R	Z Site OU: 02
Location Desc:	6402 (nal Samp	le Number:	BY10# 97	403
Expected Conc:	(or Circ	cle One: Low	_	_	Date	Time(24 hr)
Latitude:		San	nple Colle	ection: Start:	50/1/21	15:00
Longitude:				End:		:
Laboratory Anal Container 1 - 1 Liter Cubitainer	yses: Preservative HNO3 to pH<2	Holdi 180	n g Time Days	Analysis 1 Metals in Wate	er by ICP/MS	
Sample Commen (N/A)	ts:				· ·	<u></u>

ASR Number:	3716 S	iample Number	3	QC Co	de:	Matr	ix: Water	Tag I	(D: 3716-3
•	Newton	County Mine Taili	ngs sit)2)	_	Mark Dool	an	
Program:	NEWTON	•	AILIN(GS - REM			Missouri Site ID:)7RZ	Site OU: 02
Location Desc:	6	116 GATEWAY	DRI	4 E					
			Exteri	er: _	BVID # 9704				
Expected Conc	}	(or Circle One:	Low	Medium	High)		Date		Time(24 hr)
Latitude:		- 	San	iple Coll	ection: S	tart:	13/1/0=	?	15:45
Longitude:						End:	_/_/_		:-
Laboratory An	~	servative	Holdi	ng Time	Analysi	c			
1 - 1 Liter Cubitainer		03 to pH<2	180	-	-		r by ICP/MS		
Sample Comme	ents:								

ASR Number:	3716	Sample Nur	nber: 4	QC Co	de:	Matri	i x: Water	Tag 1	D: 3716-4
Project ID: Project Desc: City: Program:	Newton Newton	County Mine	Mark Doo Missouri	lan					
Site Name:		N COUNTY M N COUNTY	INE TAILIN	GS - REM	AINDER C)F	Site ID:	07RZ	Site OU: 02
Location Desc:		P-11-5	CATEN Exter		といれ といれだ	er:	BUID#	970	<u></u> 15
Expected Conc	:	(or Circle	One: Low	•		_	Date		Time(24 hr)
Latitude:			San	nple Coll	ection: S	itart:	12/1/0	7	16:30
Longitude:						End:		_	;
Laboratory An Container 1 - 1 Liter Cubitainer	Pre	eservative O3 to pH<2	Holdi 180	ng Time Days	Analysi 1 Metals		r by ICP/MS		
Sample Comme	nts:		· ··· · · · · · · · · · · · · · · · ·						
(N/A)									
		•							
							•		

ASR Number:	3716 Sar	nple Numbe	r: 5	QC Cod	le: M	1atrix: Wa	ter Tag	ID: 3716-5				
Project ID:		MD07RZ02 Project Manager: Mark Doolan Newton County Mine Tailings site (OU #02)										
•	Newton Co	•	nngs sid	e (OU #0	-	ate: Misso	ıri					
-	•	COUNTY MINE	TAILING	SS - REM	AINDER OF	Site :	I D: 07RZ	Site OU: 02				
Location Desc:		9465	Sign	first.	Rd							
					le Number	r:1	3410±	9706				
Expected Conc	:	(or Circle One	: Low	Medium	High)	Da	te	Time(24 hr				
Latitude:			Sam	ple Coll	ection: Sta	ort: <u>13</u> /_	<u>1707</u>	17:10				
Longitude:					E	nd:/_	_/	:				
Laboratory An	~			 								
Container 1 - 1 Liter Cubitainer		rvative to pH<2	Hold in 180	g Time Days	Analysis 1 Metals in	Water by ICP	/MS					
Sample Comme	ents:											
(N/A)												

Sample Collected By:

ASR Number: 3716	5 Sample Numbe	er: 6 QC C	Code: Mat	rix: Water Tag	ID: 3716-6
•	vton County Mine Ta vton County			r: Mark Doolan e: Missouri	
Site Name: NEV	NTON COUNTY MINE	TAILINGS - RE	EMAINDER OF	Site ID: 07R	Z Site OU: 02
Location Desc:	2264 Do.			BV10#97	
Expected Conc:	(or Circle On		mple Number: m High)	Date	Time(24 hr)
Latitude: Longitude:		Sample Co	ollection: Start End:		\2: 3 6
Laboratory Analys Container 1 - 1 Liter Cubitainer	Ses: Preservative HNO3 to pH<2	Holding Time 180 Days	•	ter by ICP/MS	<u>-</u>
Sample Comments (N/A)	::				
					·
				·	

ASR Number:	3716 Sa	mple Numbe	er: 7	QC Co	de:	Matrix:	Water Tag 1	I D: 3716-7
Project ID: Project Desc:			ilinas site		ject Mana	ger: Ma	rk Doolan	
•	Newton C	ounty	3	,	-	ate: Mi	ssouri	
_	•	COUNTY MINE	TAILING	S - REM	AINDER OF	Si	te ID: 07RZ	Site OU: 02
Location Desc:	97	BZ4 De	LMAR					
			Externa	al Samp	ole Numbe	er: <u>B</u>	FP * (1)	80
Expected Conc	::	(or Circle On	e: Low	Medium	High)		Date	Time(24 hr)
Latitude:			Samı	ple Coll	ection: St	art: 1 <u>'</u> 2	7/18/03	14:30
Longitude:					E	nd:		_:_
Laboratory Ar	-							
Container	Prese	ervative	Holding	g Time	Analysis			
1 - 1 Liter Cubitaine	r HNO3	to pH<2	180	Days	1 Metals in	Water by	ICP/MS	
Sample Comm	ents:							
(NI/A)								

(N/A)

ASR Number:	3716	Sample Number	: 8	QC Co	de:	Matri	x: Water	Tag I	ID: 3716-8
Project ID: Project Desc:		RZ02 n County Mine Tail	ings sit		oject Mana	ger:	Mark Dool	an	
•		n County	•	•		tate:	Missouri		
Program: Site Name:	NEWT	fund ON COUNTY MINE ⁻ ON COUNTY	ΓAILING	GS - REM	AINDER OF	=	Site ID:	07RZ	Site OU: 02
Location Desc:		6539 G	oteMo	y Del	12				
				•	ole Numbe	er: _	BVID	97	90
Expected Conc	:	(or Circle One	Low	Medium	High)		Date		Time(24 hr)
Latitude:			San	nple Coll	ection: St	art:	FO/P1/51	-	15:15
Longitude:					E	nd:	//	•	_:
Laboratory An	_								
Container	_	Preservative		ng Time	•		. b ICD/MC		•
1 - 1 Liter Cubitaine			180) Days	1 Metals II	·	r by ICP/MS		
Sample Commo	ents:								
(N/A)									

Sample Collected By: __

Clay Wollow

ASR Number:	3716 Samp	l e Numbe r: 9	QC Cod	le: Matr	ix: Water Tag	ID: 3716-9
Project ID: Project Desc:		ty Mine Tailing	•	ject Manager: 2)	Mark Doolan	
City:	Newton Coun	ty		State:	Missouri	
Program: Site Name:	Superfund NEWTON COL NEWTON COL		LINGS - REM	AINDER OF	Site ID: 07RZ	Site OU: 02
Location Desc:	653	o Gate wo	y Drive			
			ternal Samp	le Number: _	BVIDTGT	-/0
Expected Conc	: (or	Circle One: I	Low Medium	High)	Date	Time(24 hr)
Latitude:			Sample Colle	ection: Start:	15/18/07	16:13
Longitude:				End:	_/_/_	:
Laboratory Ar	nalyses:					
Container	Preservat	tive H	tolding Time	Analysis		
1 - 1 Liter Cubitaine	r HNO3 to p	H<2	180 Days	1 Metals in Wate	r by ICP/MS	
Sample Comm	ents:					
(N/A)						

ASR Number:	3716	Sample	Number:	10	QC Cod	de: N	4atri:	x: Water	Tag I	D: 3716-10
Project ID: Project Desc:			Mine Tailii	ngs sit		ject Mana (2)	ger:	Mark Doola	ın	·
-		n County				St	ate:	Missouri		
Program: Site Name:	NEWTO			AILING	GS - REM	AINDER OF		Site ID: 0	7RZ	Site OU: 02
Location Desc	:	b565	GETE	PACE	Derre					
			ı	Exterr	nal Samp	ole Numbe	r: _	BVID	F19 2	"
Expected Cond	C:	(or C	ircle One:	Low	Medium	High)		Date		Time(24 hr)
Latitude	:			San	ple Coll	ection: Sta	art:	F0/91/51		17:00
Longitude	.					E	nd:	_/_/_		:_
Laboratory A	_									· · · · · · · · · · · · · · · · · · ·
Container 1 - 1 Liter Cubitaine	_	reservative NO3 to pH<		Holdii 180	n g Time Days	Analysis 1 Metals in	Water	by ICP/MS		
Sample Comm	ents:									

(N/A)

ASR Number: 3716	Sample Number:	11 QC Cod	le: Matr	ix: Water Tag	ID: 3716-11
-	7RZ02 ton County Mine Tailin ton County	•	*	Mark Doolan Missouri	
	erfund TON COUNTY MINE T TON COUNTY	AILINGS - REMA	AINDER OF	Site ID: 07R2	Z Site OU: 02
Location Desc:	JELMAR DELMAR			0 #0-	
	•	External Samp	le Number: _	BY10#97	112
Expected Conc:	(or Circle One:	Low Medium	High)	Date	Time(24 hr)
Latitude:		Sample Colle	ection: Start:	80/8/1	11:30
Longitude:			End:	//	:
Laboratory Analys Container 1 - 1 Liter Cubitainer	es: Preservative HNO3 to pH<2	Holding Time 180 Days	Analysis 1 Metals in Wate	r by ICP/MS	
Sample Comments: (N/A)					
	-				

ASR Number:	3716	Sample Numb	oer: 12	QC Co	de: Ma	trix: Water Ta	g ID: 3716-12
Project ID: Project Desc:			railings sit		-	r: Mark Doolan	
City:	Newtor	County			State	e: Missouri	
Program: Site Name:	NEWTO	and ON COUNTY MIN	NE TAILING	GS - REM	AINDER OF	Site ID: 07R	Z Site OU: 02
Location Desc:		5200	Don	CUHS	DRIVE	4 0::	
			Exter	al Samı	ole Number:	BVID #9	713
Expected Conc	:	(or Circle C	ne: Low	Medium	High)	Date	Time(24 hr)
Latitude:			San	ple Coll	ection: Start	: 1/8/08	1 <u>2 : 4</u> 0
Longitude:			_	_	End		_:_
Laboratory An Container 1 - 1 Liter Cubitainer	Pi	reservative NO3 to pH<2	Holdii 180	ng Time Days	Analysis 1 Metals in Wa	iter by ICP/MS	
Sample Commo	ents:						

	,	_				_				
ASR Number:			Number:	13						D: 3716-13
-	Newto	on County on County		ngs sit		_	_	Mark Doola Missouri	an	
Program: Site Name:	NEWT			AILIN	GS - REM	AINDER	OF	Site ID: ()7RZ	Site OU: 02
Location Desc:		7310						1 -2		
			E	Exteri	nal Samp	le Nun	ber: _	BAIDy	4714	<u></u>
Expected Conc	:	(or C	ircle One:					Date		Time(24 hr)
Latitude:				San	nple Coll	ection:	Start:	1/8/08		13:30
Longitude:							End:	//		:
Laboratory An Container 1 - 1 Liter Cubitaine	1	s: Preservativ		Holdi 180	n g Time) Days	Analy		er by ICP/MS		
Sample Commo	ents:									·
(N/A)										
							•			
				١						
Sample Collec	ted By	,.	C. Wa	Do L						

ASR Number: 3	3716	Sample Nu	mber:	14	QC Co	de: M	latri	x: Water Tag	ID: 3716-14
Project ID: Project Desc:			e Tailii	ngs sit		-	ger:	Mark Doolan	
•		County				Sta	ate:	Missouri	•
Program: Site Name:	NEWTO		INE T	AILING	GS - REM	AINDER OF		Site ID: 07R2	Z Site OU: 02
Location Desc:		6852	Sen	r 4831	Roal	λ			
			į	Extern	nal Samı	ple Number	r: _	BNID # 9.	715
Expected Conc	:	(or Circle	One:	Low	Medium	High)		Date	Time(24 hr)
Latitude:				Sam	ple Coll	ection: Sta	rt:	1 808	13:42
Longitude:						Er	nd:	_/_/_	_:_
Laboratory An Container	Pro	eservative			ng Time	Analysis			
1 - 1 Liter Cubitainer	· HN	O3 to pH<2		180	Days	1 Metals in	Water	by ICP/MS	
Sample Comme	ents:								
(N/A)									
				•					
						•			
			•						

C. W. Miss

Project ID:	MD07R7	.02			Pro	iect Ma	nager	Mark Doolan	
Project Desc:			ne Tailii	ngs sit		-	J = 1		
_	Newton	•					State:	Missouri	
Program: Site Name:	NEWTON		MINE T	AILING	GS - REM	AINDER	OF	Site ID: 07R2	Z Site OU: 02
Location Desc:		9995	Foli	, ROLE	Road	· · · · · · · · · · · · · · · · · · ·			
				9	nal Samp	le Num	ber:	BYID# 9.	716
Expected Conc	:	(or Circl	e One:	Low	Medium	High)		Date	Time(24 hr)
Latitude:				Sam	ple Coll	ection:	Start:	1/8/08	15:40
Longitude:							End:	//	_:_
Laboratory An	Pre	servative			ng Time	Analy			
1 - 1 Liter Cubitainer		O3 to pH<2		180	Days	1 Metal	s in Wate	r by ICP/MS	
Sample Comme	ents:								
(N/A)									

Project ID:	MD07P702			Dro	ject Manager:	Mark Doolan	
Project Desc:		nty Mine Ta	ailinas site			Mark Doulan	
•	Newton Cour	•	•		•	Missouri	
Program:	*			. .			
Site Name:	NEWTON CO		ETAILING	SS - REM	AINDER OF	Site ID: 07R	Z Site OU: 02
Location Desc:		6140 G	-ateway	Drive			
			Extern	al Samp	le Number: _	BVID# 9	717
Expected Conc	: (o	r Circle On	e: Low	Medium	High)	Date	Time(24 hr)
Latitude:		_	Sam	ple Coll	ection: Start:	1/3/03	16:15
Longitude:		_			End:	//	_:_
Laboratory An	•		44-1-11-	1	t t		
Container 1 - 1 Liter Cubitainer	Preserva HNO3 to		Holain 180	g Time Days	Analysis 1 Metals in Wate	r hv ICP/MS	
						. 67 1617.16	
Sample Comme	ents:						
(N/A)							
					•		

Program: Super Site Name: NEWT	on County fund		State:	Missouri Site ID: 07RZ	
Program: Super Site Name: NEWT NEWT	fund ON COUNTY MINE T ON COUNTY	AILINGS - REM			
Site Name: NEWT NEWT	ON COUNTY MINE T ON COUNTY	AILINGS - REM	AINDER OF	Site ID: 07RZ	
Location Desc:	5845 Gatew				Site OU: 02
		<i>:</i> \			
	ı	 External Samp	le Number: _	BV10# 9	718
Expected Conc:	(or Circle One:	Low Medium	High)	Date	Time(24 hr
Latitude:		Sample Coll	ection: Start:	T18108	17.00
Longitude:			End:	_/_/_	_:_
Laboratory Analyses	S: Preservative	Holding Time	Analysis		
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Wate	r by ICP/MS	
Sample Comments:					
(N/A)					
·					

C. W. Moon

ASR Number:	3716	Sample Nu	mber:	18	QC Cod	le:	Matr	ix: Water Tag	ID: 3716-18
Project ID:						=	nager:	Mark Doolan	
Project Desc:		•	e Tailii	ngs sit	e (OU #0	12)	C1-1	Minnesset	
Program:		n County					State:	Missouri	
Site Name:	NEWTO		1INE T	AILING	GS - REM	AINDER	OF	Site ID: 07R	Z Site OU: 02
Location Desc:		5903	GA	TEW	ya				
				BY12 # 9719					
Expected Conc	:	(or Circle	One:	Low	Medium	High)		Date	Time(24 hr)
Latitude:				San	ple Colle	ection:	Start:	1,9,08	13:40
Longitude:							End:		:
Laboratory An	-			u a leli-	- Ti	A la	-1-		
Container 1 - 1 Liter Cubitainer	=	reservative NO3 to pH<2		180	n g Time Days	Analy: 1 Metal		er by ICP/MS	
Sample Comme	ents:								
(N/A)									

ASR Number: 3	5/16 Sampi		19		Mat	rix: Water Tag	TD: 3/16-19
Project ID: Project Desc:		v Mino Tailine	ac cito (-	_	: Mark Doolan	
-	Newton Count Newton Count		ys site (,00 #02		: Missouri	
Program:		,				- · · · · • · · ·	
Site Name:	NEWTON COU NEWTON COU		ILINGS	- REMA	INDER OF	Site ID: 07RZ	Site OU: 02
ocation Desc:	60141	Gatenai	+			a it	
		E	kternal	Sampl	e Number:	BVID*	9750
xpected Conc:	(or	Circle One:	Low M	edium	High)	Date	Time(24 hr)
Latitude:			Sampl	e Colle	ction: Start:	30,9,1	1 <u>4:45</u>
Longitude:					End:	_/_/_	;
Laboratory Ana	-			* 1	A		· · · · · · · · · · · · · · · · · · ·
Container - 1 Liter Cubitainer	Preservat HNO3 to pl		Holding 1 180	Days	Analysis 1 Metals in Wat	er by ICP/MS	
Sample Comme						· · · · · · · · · · · · · · · · · · ·	
N/A)							
. •, , ,							

ASR Number:	3716	Sam	ple Number	: 20	QC Co	de:	Matr	ix: Water Tag	g ID: 3716-20		
	Newton	D07RZ02 Project Manager: Mark Doolan ewton County Mine Tailings site (OU #02) ewton County State: Missouri									
Program:			,								
Site Name:	NEWTO			railin(GS - REM	IAINDER	. OF	Site ID: 07R	Z Site OU: 02		
Location Desc:	_59	10	Cateway	Din	اور						
				Exteri	nal Sam	ple Nun	nber: _	BYID # 9721			
Expected Conc	:	(6	or Circle One:	Low	Medium	High)		Date	Time(24 hr)		
Latitude:				San	iple Coll	ection:	Start:	80.91	15:20		
Longitude:							End:				
Laboratory An Container 1 - 1 Liter Cubitainer	Pro		ative pH<2	Holdi:	n g Time Days	Analy 1 Meta		er by ICP/MS			
Sample Comme											
(N/A)											
					•						
			•								
	-										

ASR Number:					le:			ID: 3716-21
Project ID: Project Desc:		nty Mine T:	ailinae eite		-	ager:	Mark Doolan	
•	Newton Cou	•	annigs sice	3 (OO #O	•	tate:	Missouri	
Program:	· ·					_		
Site Name:	NEWTON CO		ETAILING	S - REMA	AINDER O	F	Site ID: 07RZ	Site OU: 02
Location Desc:		2579	Cateu	oy Do	148			
			SSFP GIVE					
Expected Conc	: (or Circle Or	ne: Low	Medium	High)		Date	Time(24 hr)
Latitude:			Sam	ple Colle	ection: S	tart:	1/9/08	1 <u>5 : 50</u>
Longitude:					1	End:		_:_
Laboratory An	alyses:	ntivo	Holdin	a Time	Applicate			
1 - 1 Liter Cubitainer	•		180	Days	Analysis 1 Metals i		r by ICP/MS	
Sample Comme	ents:							
(N/A)								
				•				
	•							
		•						

C. W. Mor

Project ID:	MD07D702		De	siact Managa	: Mark Doolan	
Project Desc:		Mine Tailing		-	. Mark Doolan	
_	Newton County	J	•		: Missouri	
Program:	•				_	
Site Name:	NEWTON COUN		LINGS - REM	IAINDER OF	Site ID: 07R	Z Site OU: 02
Location Desc:	6265	Catenas	Drive			
		Ex	BN1D# 9753			
Expected Conc	: (or C	Circle One: L	Low Medium	High)	Date	Time(24 hr)
Latitude:		9	Sample Col	lection: Start:	80,91	16:45
Longitude:				End:		
Laboratory An	alyses:	е н	olding Time	Analysis		
1 - 1 Liter Cubitaine			180 Days	1 Metals in Wat	ter by ICP/MS	· · · · · · · · · · · · · · · · · · ·
Sample Commo	ents:					
(N/A)						
	•					

C. Wollow

ASR Number:	3716 Sa	mple	Number:	23	QC Co	de:	Matr	ix: Water Tag	ID: 3716-23
Project ID: Project Desc:			Mine Tailii	ngs sit		-	nager:	Mark Doolan	
•	Newton C	-		J	•	-	State:	Missouri	
Program: Site Name:	•	COUNT		AILING	GS - REM	AINDER (OF	Site ID: 07R2	Z Site OU: 02
Location Desc:	ال ا	SPE	Catew	my 2)rive	~~~~		BV12# 9	·
		External Sample Number:							724
Expected Conc	1	(or C	ircle One:	Low	Medium	High)		Date	Time(24 hr)
Latitude:				San	ıple Coll	ection: \$	Start:	1/9/08	17:20
Longitude:							End:	//	:
Laboratory An Container	-	ervative	•	Holdi	ng Time	Analys	is		
1 - 1 Liter Cubitainer	· HNO3	to pH<	2	180) Days	1 Metals	in Wate	er by ICP/MS	
Sample Comme	ents:								
(N/A)	•								
						•			

ASR Number:	3716	Sample	Number:	24	QC Cod	de:	Matr	ix: Water	Tag IC): 3716-24- ₋	_
-	Newto Newto	n County n County	Mine Tailii	ngs sit		_	_	Mark Doola	an		÷
Program: Site Name:	NEWT			AILING	GS - REM	AINDER	OF	Site ID: 0)7RZ	Site OU: 02	
Location Desc:		627	3 G AT	EW4	y DR	IVE					
				Extern	al Samp	le Num	ıber: _				_
Expected Conc	:	(or C	ircle One:	Low	Medium	High)		Date		Time(24 h	r)
Latitude:				Sam	ple Coll	ection:	Start:	<u>80P</u> /		17:50	
Longitude:							End:	//		_:_	
Laboratory An Container 1 - 1 Liter Cubitainer	F	Preservative	_	Holdin 180	ig Time Days	Analy 1 Meta		r by ICP/MS			
Sample Commo	ents:										
(N/A)											
									···.		
•											